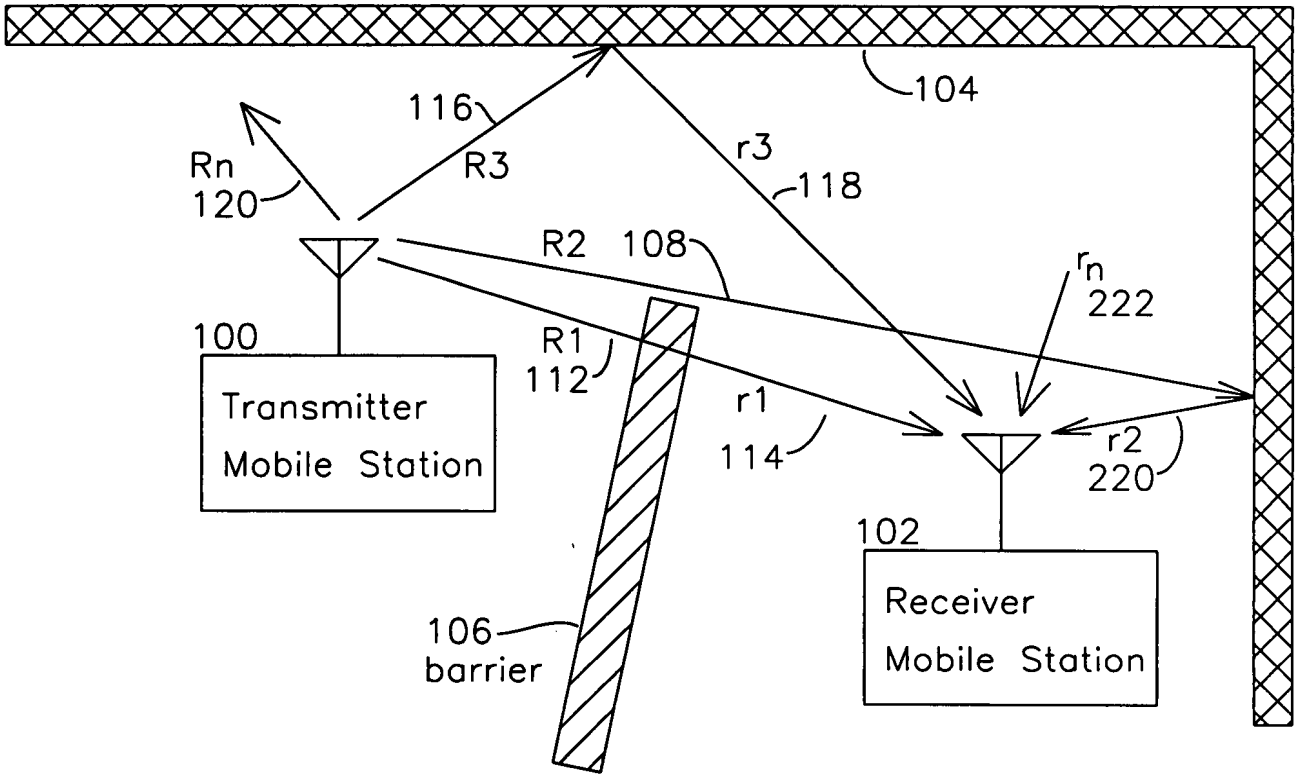
OIPE
OCT 01 2007
PATENT & TRADEMARK OFFICE

Figure 1

Prior Art



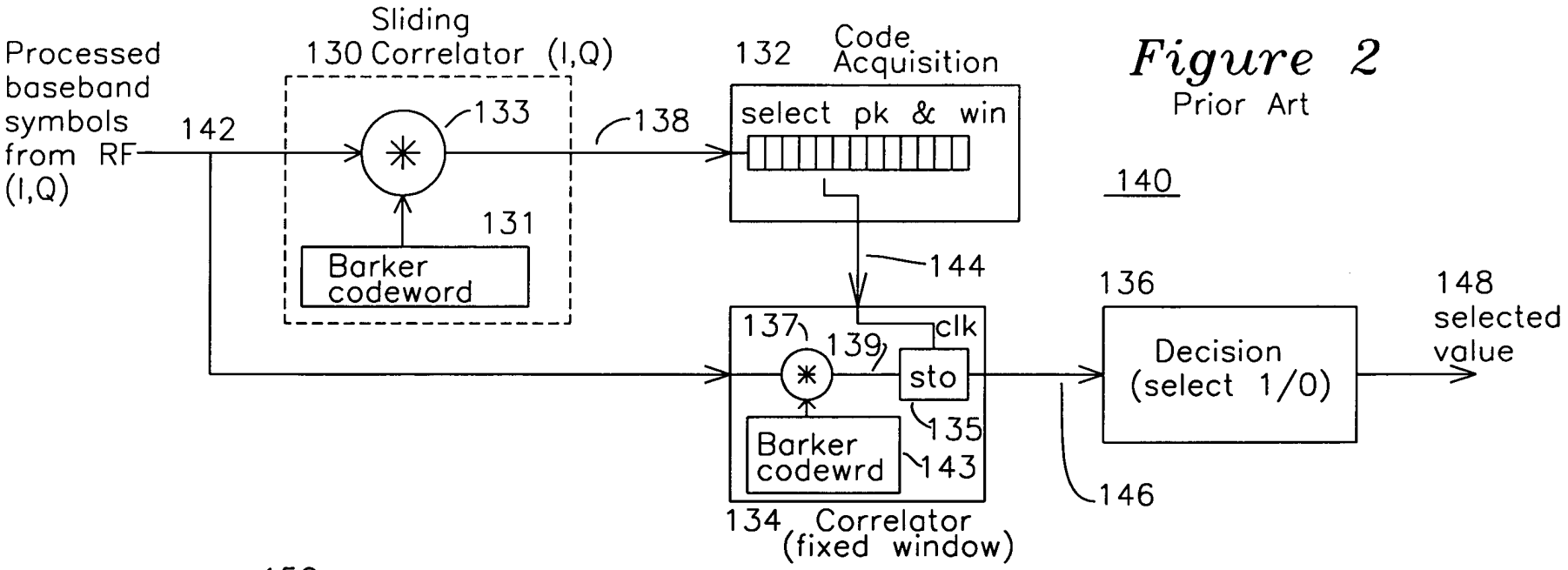


Figure 2
Prior Art

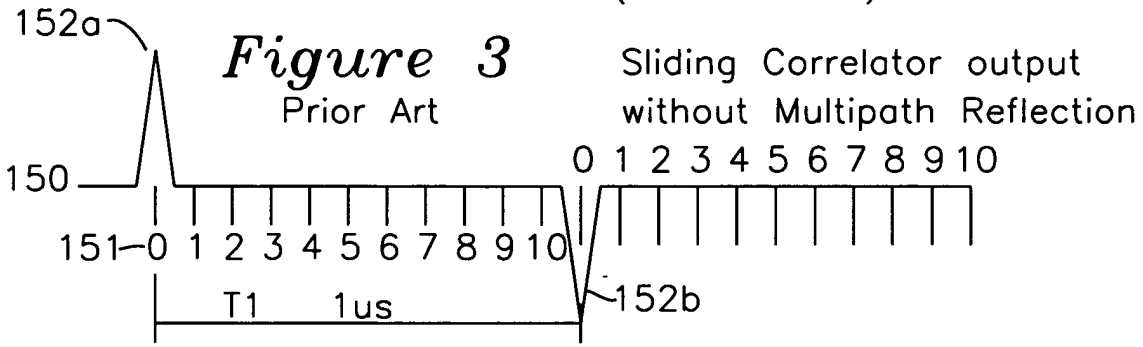


Figure 3
Prior Art

Sliding Correlator output without Multipath Reflection

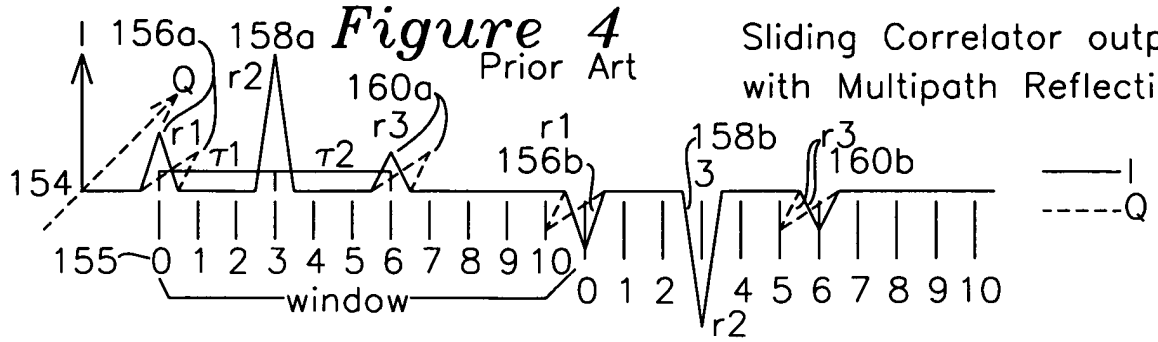


Figure 4
Prior Art

Sliding Correlator output with Multipath Reflection

Figure 5

Prior Art

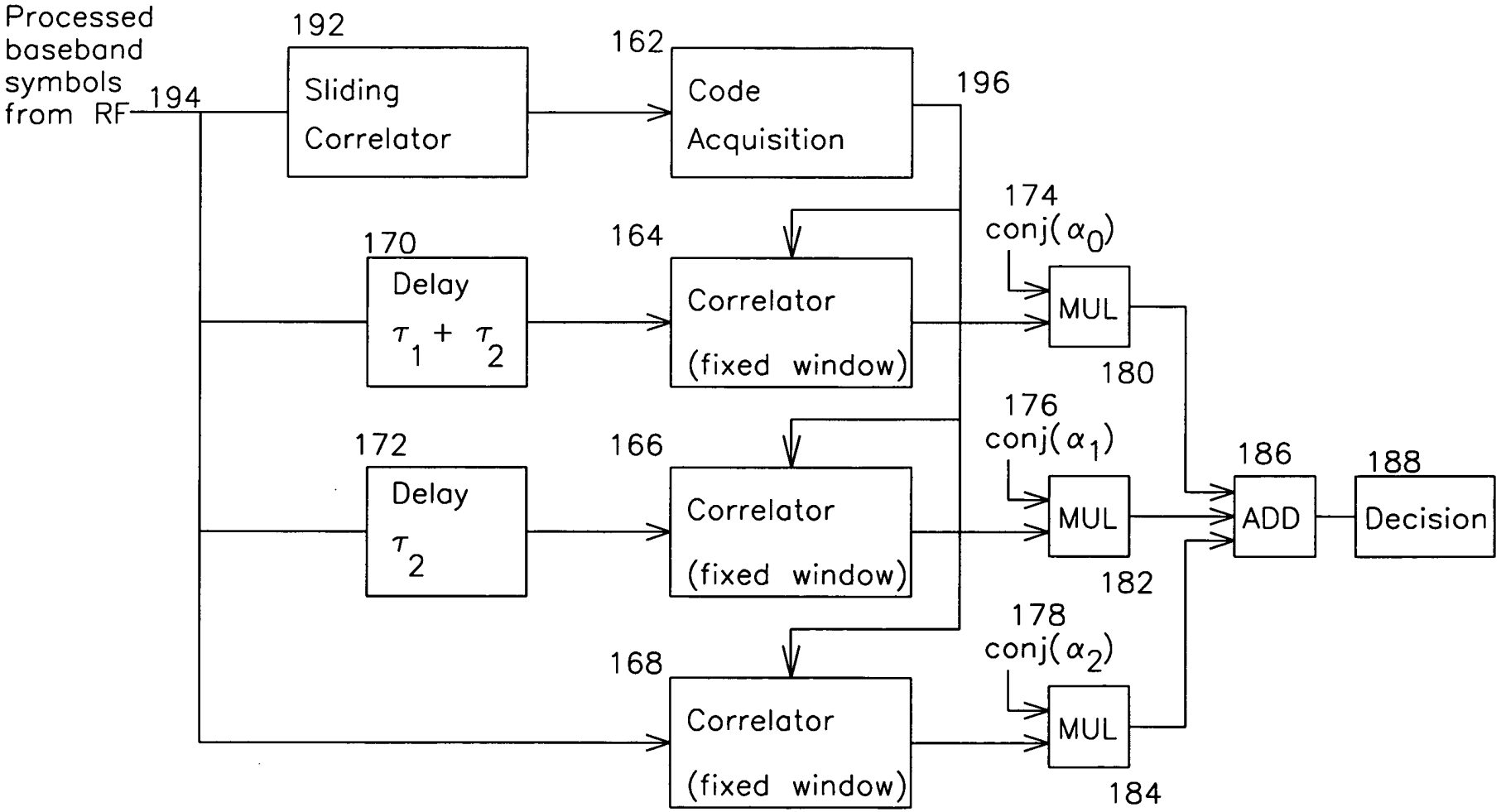


Figure 6
Prior Art

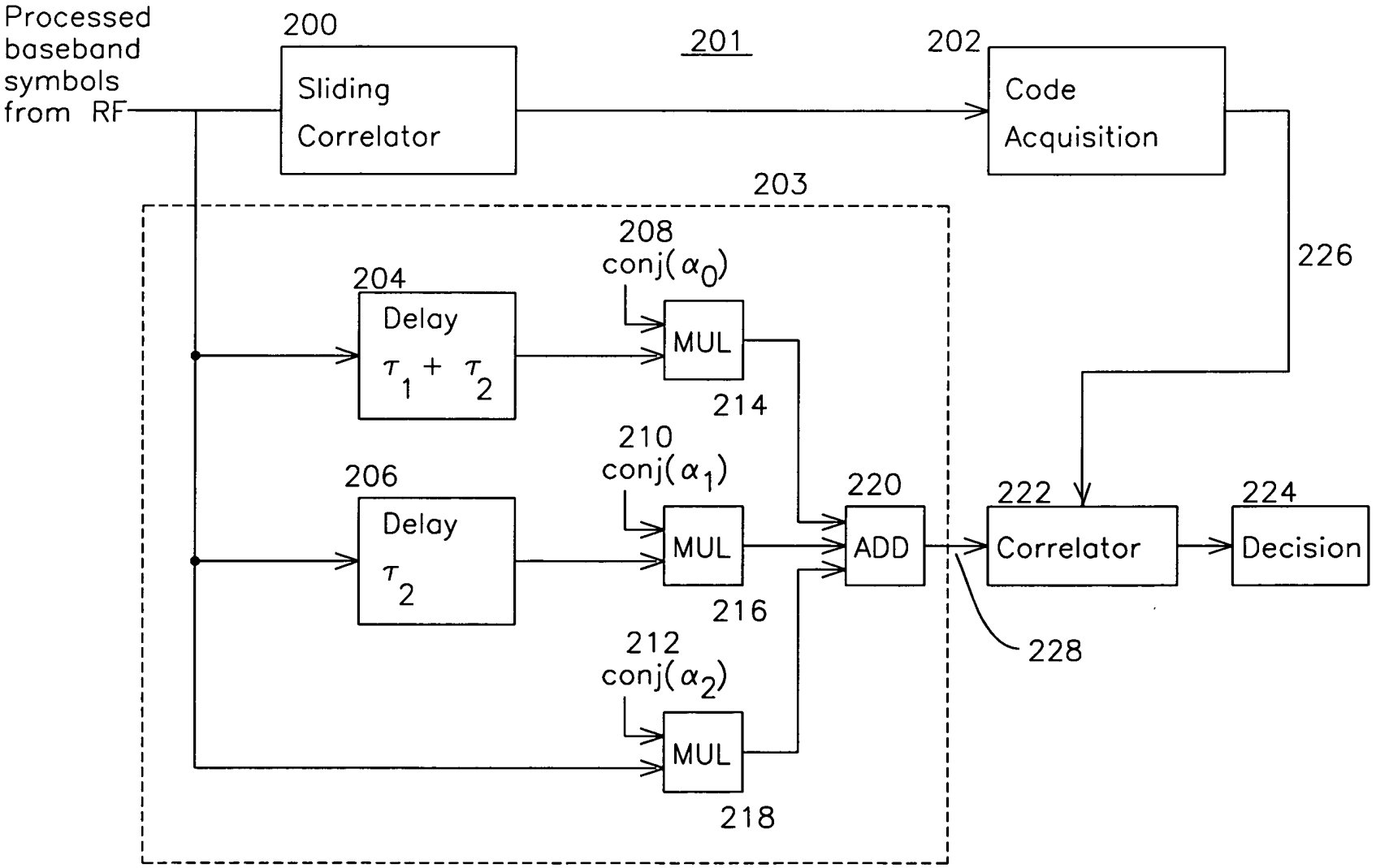


Figure 7

Prior Art

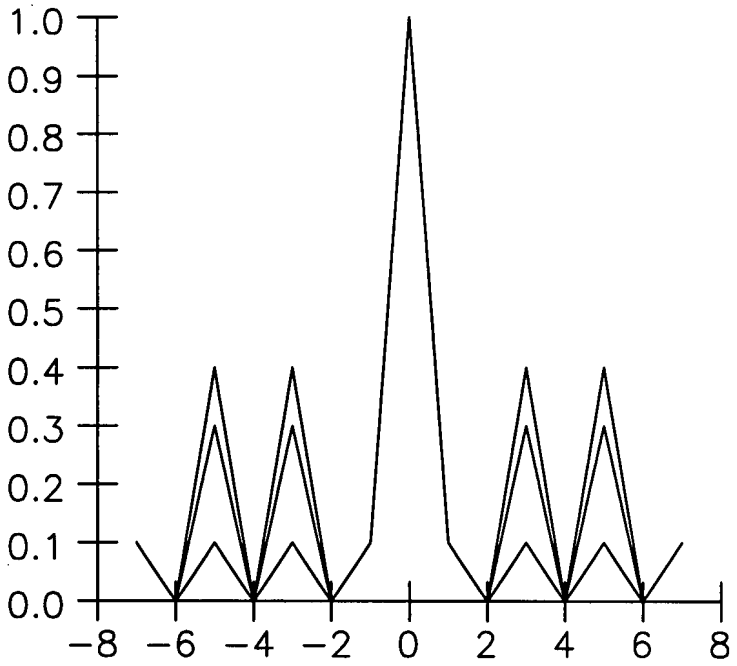


Figure 8

Signal with no noise

Prior Art

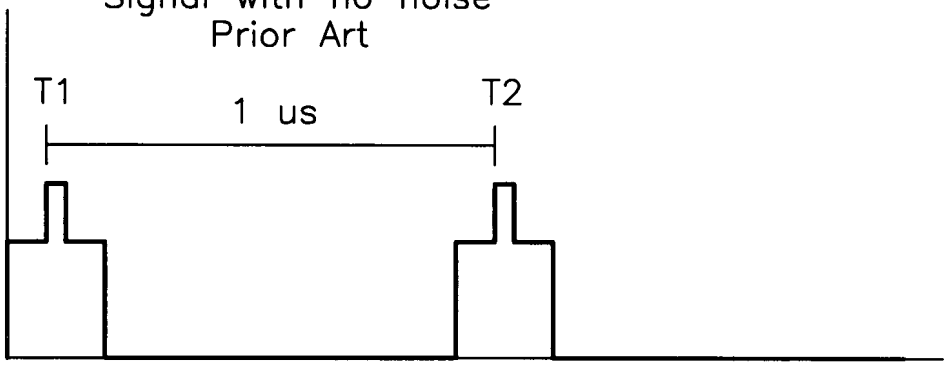


Figure 9

Noise with no signal

Prior Art

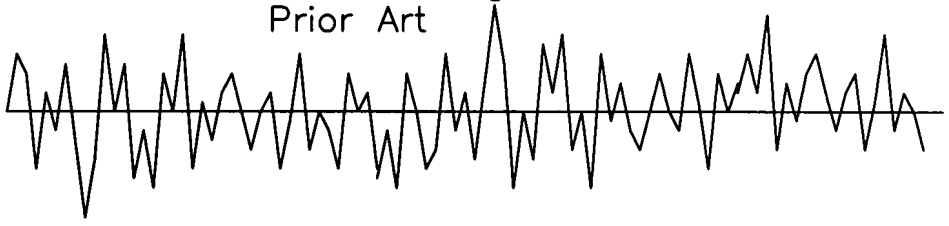


Figure 10

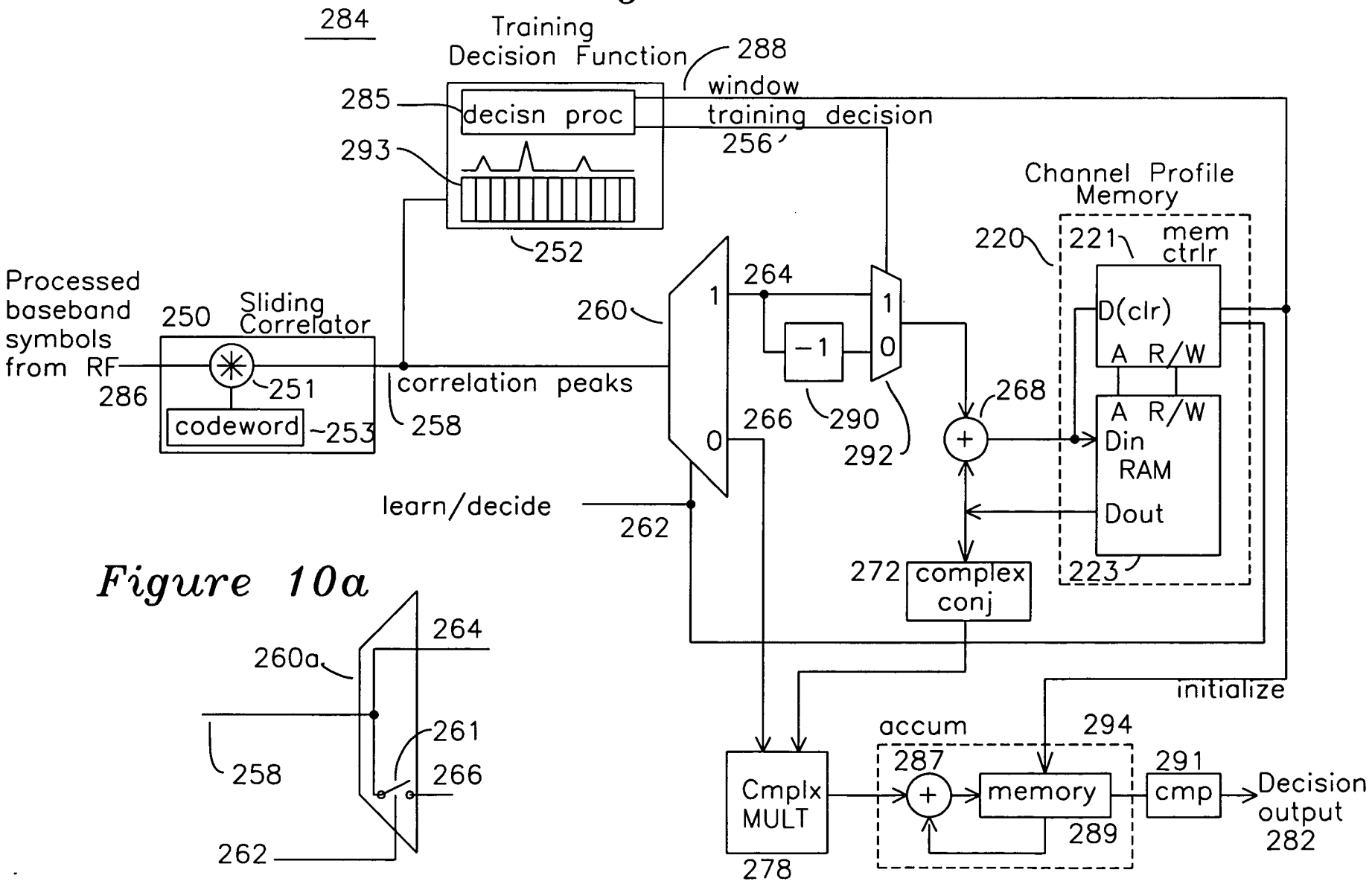


Figure 10a

Figure 11a

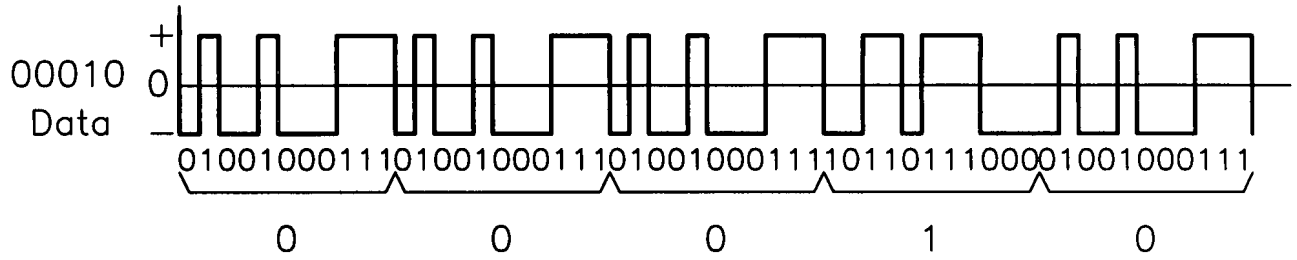


Figure 11b

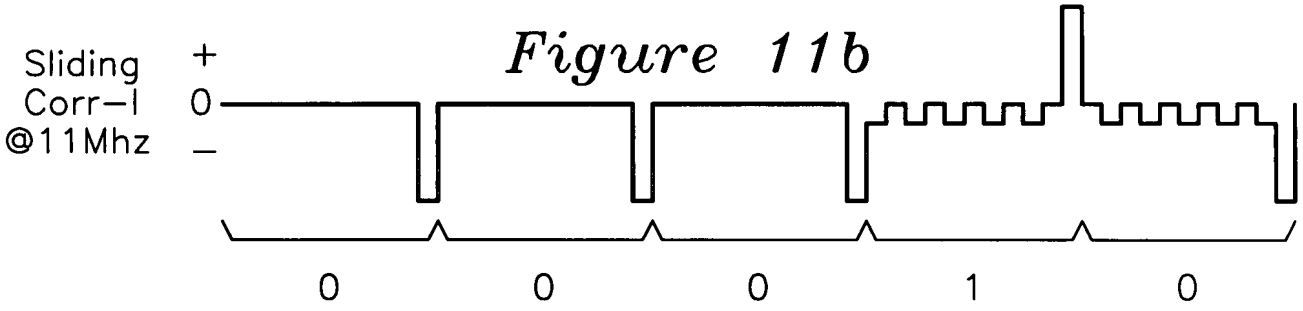


Figure 11c

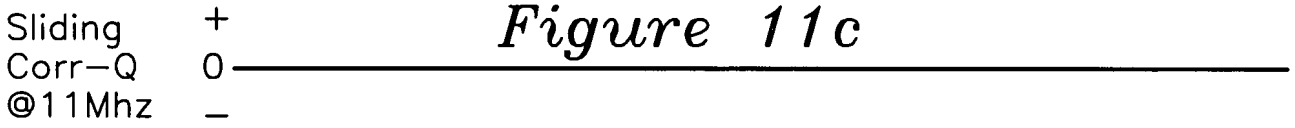


Figure 11d

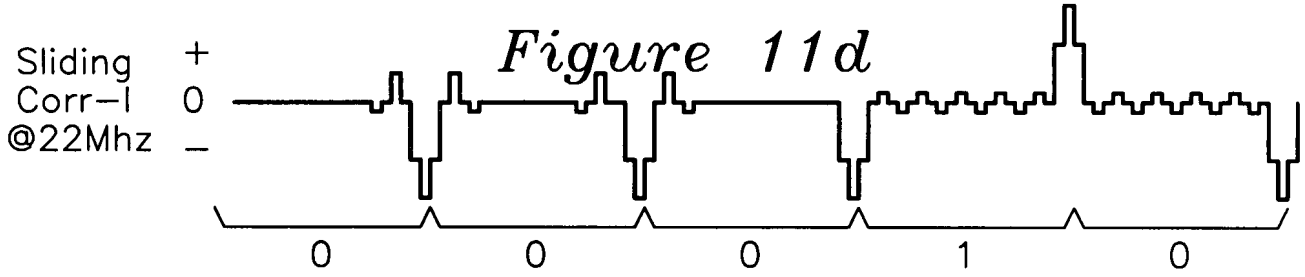


Figure 11e

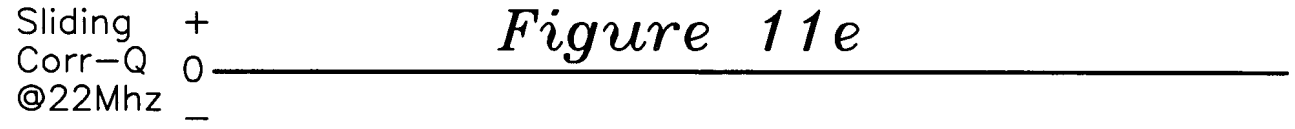


Figure 11f

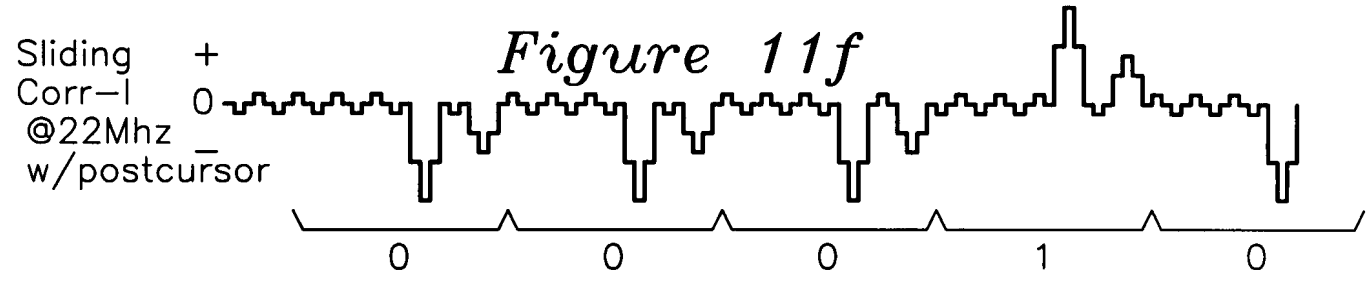
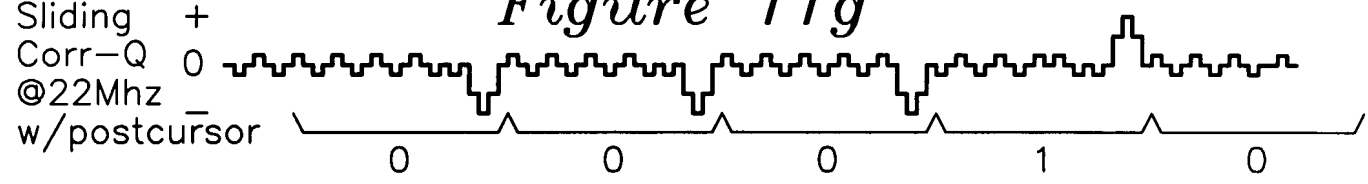


Figure 11g



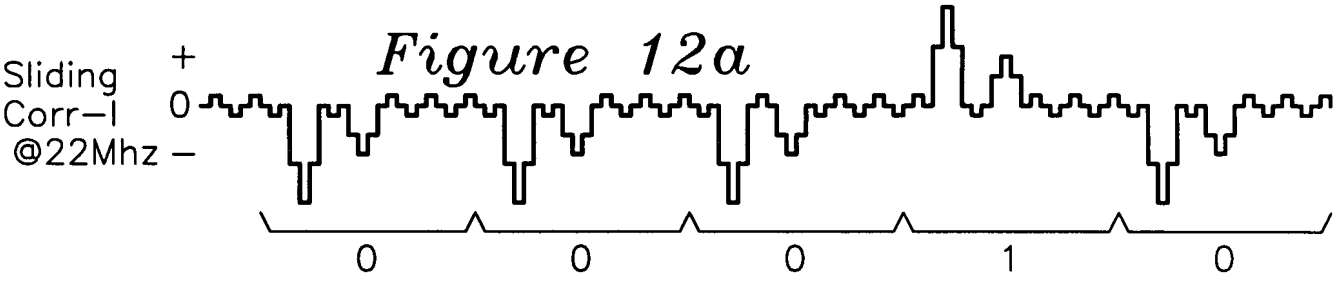


Figure 12a

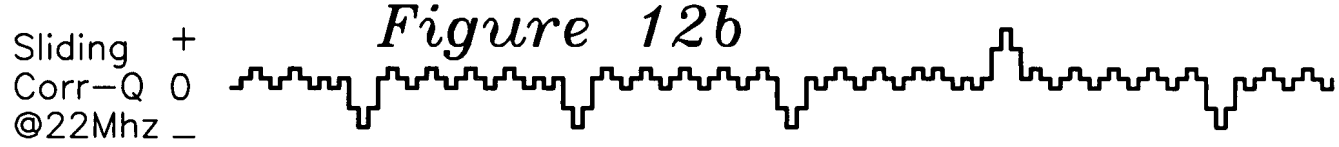


Figure 12b

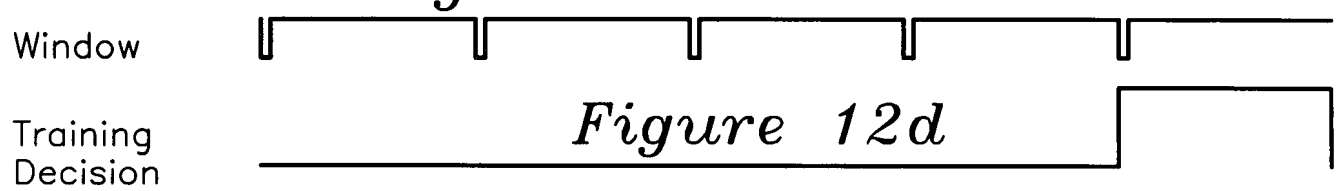


Figure 12c

Figure 12d

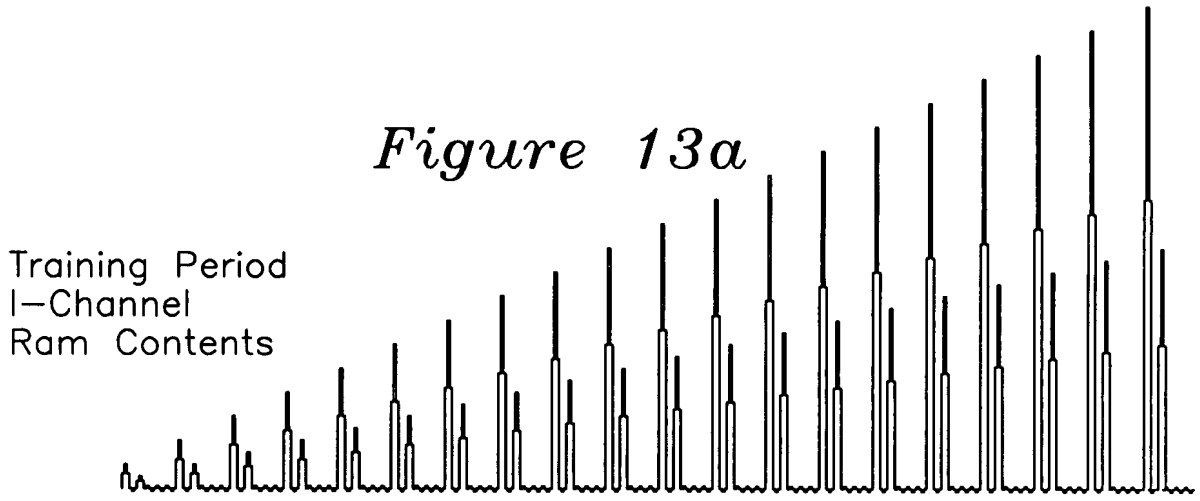


Figure 13a

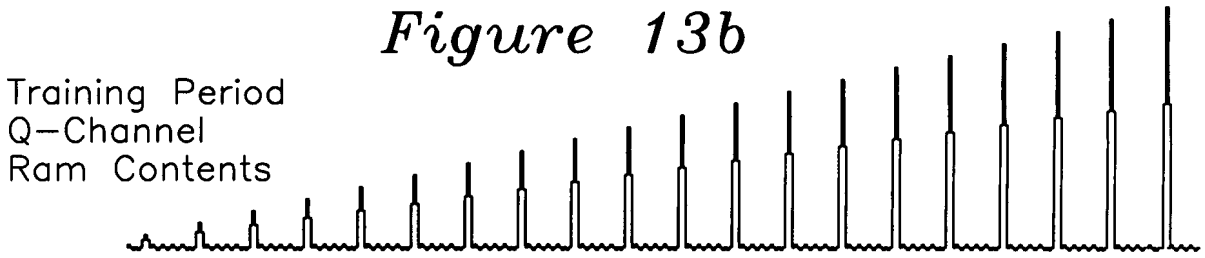


Figure 13b

Figure 14a

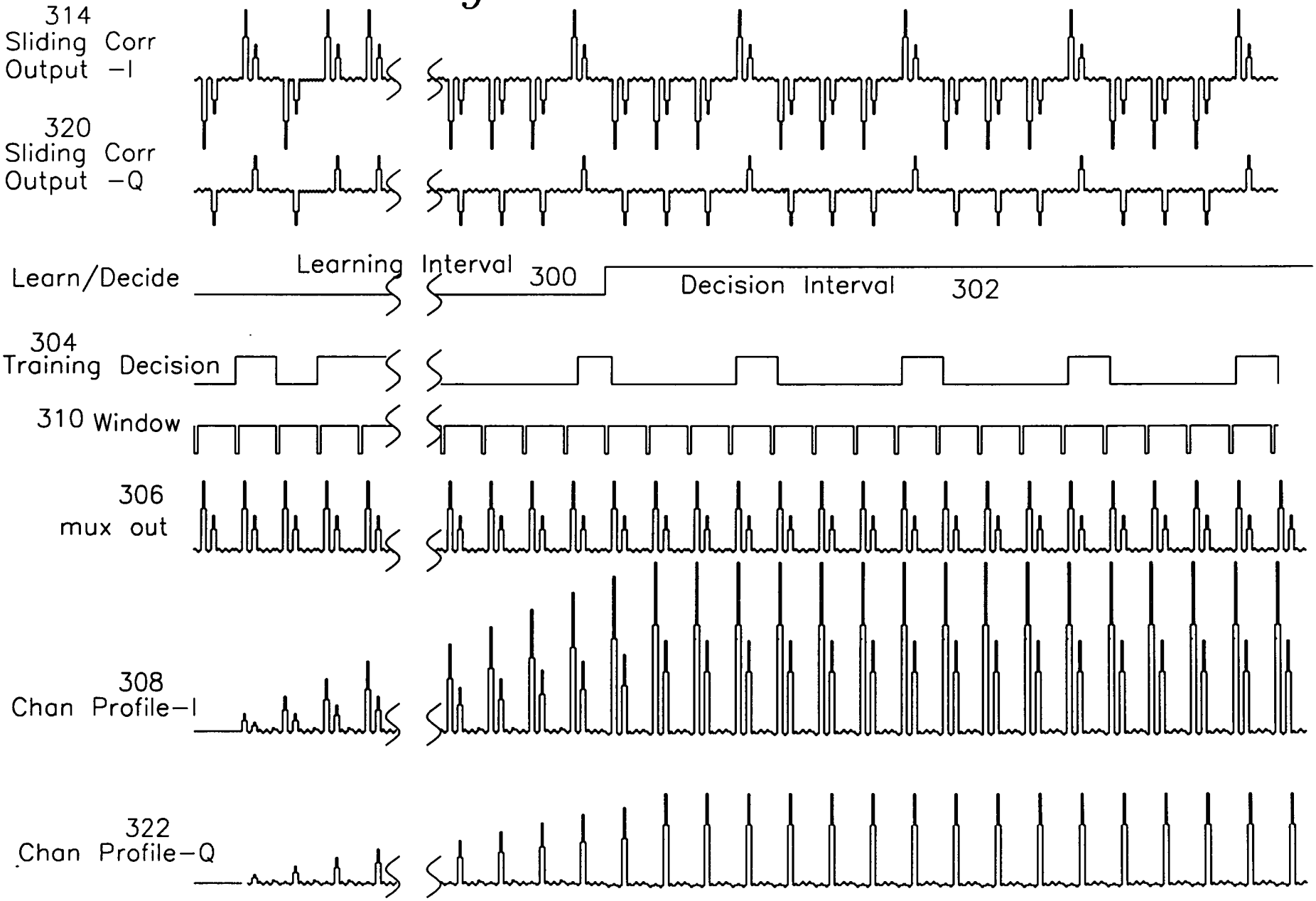
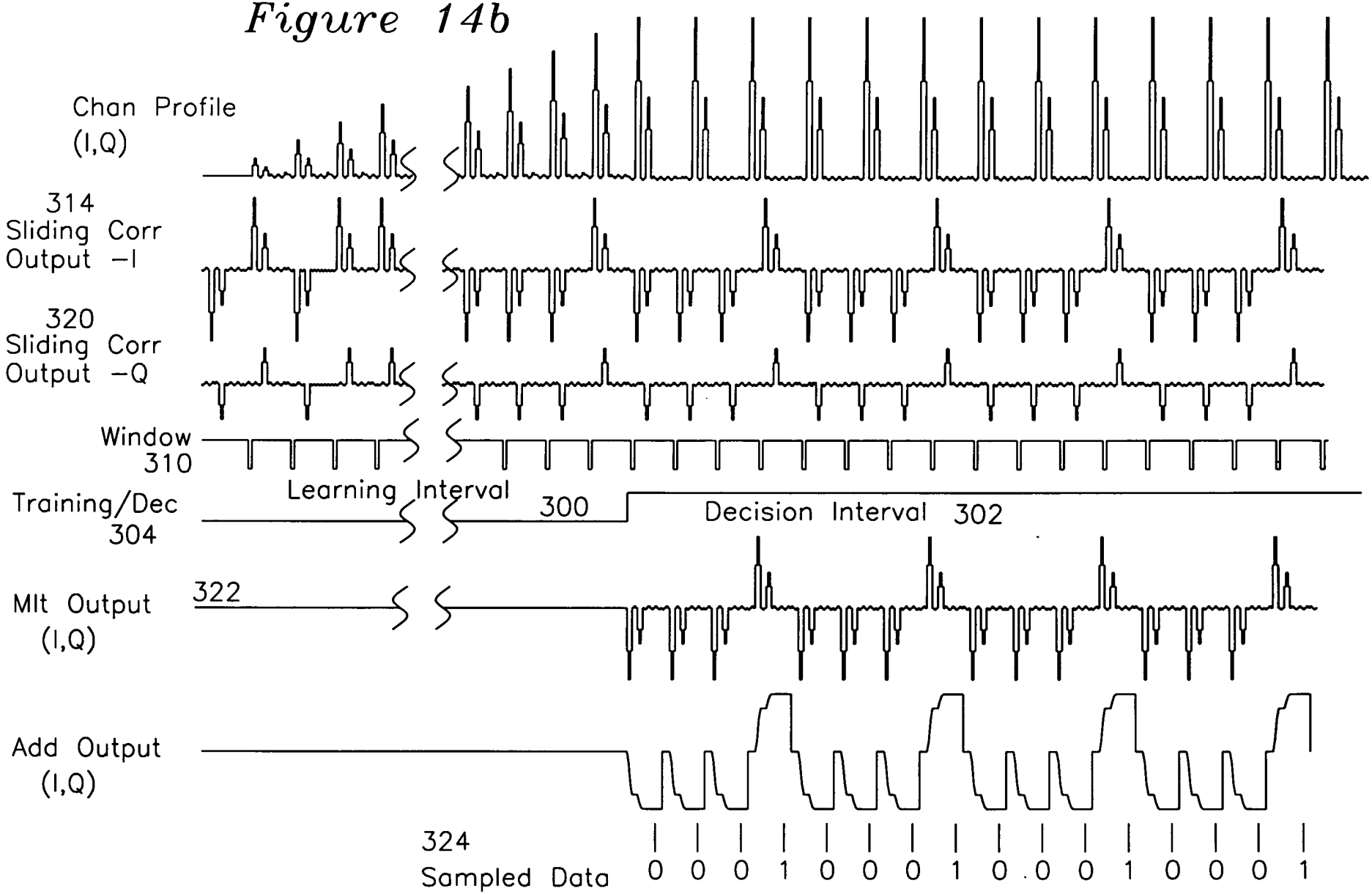

314
Sliding Corr
Output –I
320
Sliding Corr
Output –Q
Learn/Decide
Learning Interval 300
Decision Interval 302
304
Training Decision
310 Window
306
mux out
308
Chan Profile–I
322
Chan Profile–Q

Figure 14b


Chan Profile
(I,Q)
314
Sliding Corr
Output −I
320
Sliding Corr
Output −Q
Window
310
Learning Interval
300
Training/Dec
304
Decision Interval 302
322
MIt Output
(I,Q)
Add Output
(I,Q)
324
Sampled Data
0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1